

List of Patent and Publications Cited by Applicant (Use several sheets if necessary)

U.S. Department of Commerce Patent and Trademark Office

Sheet 1 of 8 Serial No.

Docket No. 09/924,730 **CRNT-0011**

Applicant

Paul A. Kline

MAR 1 7 2004

Technology Center 2600

Group Filing Date 2636 August 8, 2001

	Patent a	nd Trademark Off	1			
		U.	S. PATENT DO	CUMENTS	1 cr	Subclass
xaminer		Document	Date	Name	Class	Subclass
itial	1	No. 1,547,242	07/28/25	M. E. Strieby		
ρ	1 1		12/11/51	F.C. Berger	179	2.5
)	153	2,577,731		Stradley	179	2.5
) ·	154	3,369,078	02/13/68		340	870.15
	155	3,641,536	02/08/72	Prosprich	340	310
)	156	3,696,383	10/03/72	Oishi et al.	\	3
)	157	3,846,638	11/05/74	Wetherell	307	
2	1	3,973,087	08/03/76	Fong	179	170 R
P	158		01/18/77	Whyte	179	170 J
9	159	3,993,110	10/11/77	Taylor	340	529
<i>.</i>	160	4,053,876	l	Dudash et al.	340	147 T
. <u>, </u>	161	4,250,489	02/10/81		324	127
<u>r</u>	162	4,263,549	04/21/81	Toppeto		40
<u> </u>	163	4,359,644	11/16/82	Foord	307	
P	164	4,367,522	01/04/63	Forstbauer et al.	363	137
<i>p</i>		4,383,243	05/10/83	Krügel et al.	340	310 R
M	165		5/1983	Kocher et al.	455	151.4
DP	166			Becker et al.	324	57 Q
<i>y</i> 1	167		10/11/83	Porter et al.	340	310.01
1)/ 1)/	168	4,413,250	11/01/83		324	51
P N Of	169	4,419,621	12/06/83	Becker et al.		64
	170	4,471,399	09/11/84	Udren	361	
M	17		10/02/84	Udren	375	4
DP	L		10/23/84	Brown et al.	179	2.51
for	17:		05/14/85	Ise et al.	340	310 R
DP	17	3 4,517,548	03/14/83	DATE CONSID		1-01-0

DATE CONSIDERED

1-01-04



List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce Patent and Trademark Office Sheet 2 of 8
Serial No.

Docket No. Serial No. 09/924,730

RECEIVED

Applicant
Paul A. Kline

MAR 1 7 2004

Technology Center 2600

Filing Date Group
August 8, 2001 2636

	Patent ar	nd Trademark Off	1	August of	<u></u>	
		U.	S. PATENT DO		Class	Subclass
aminer	T 1	Document	Date	Name	Class	
itial	1	No.	07/08/86	Komoda et al.	340	310 A
1	1	4,599,598	03/1987	Weikel	340	310
1	1	4,652,855	10/20/87	Pedigo	379	66
Ø	1 - 1	4,701,945		Crimmins	324	127
	177	4,724,381	02/09/88	Reyes	340	310 R
7	178	4,772,870	09/20/88		340	870.07
	179	4,904,996	02/27/90	Fernandes	358	86
	180	4,912,553	03/27/90	Pal et al.	340	310 R
<u> </u>	181	5,066,939	11/19/91	Mansfield, Jr.		90
)	182	5,068,890	11/26/91	Nilssen	379	
) · 	183	5,151,838	09/29/92	Dockery	340	310 R
		5,410,720	04/25/95	Osterman	725	150
	184		06/20/95	Maraio et al.	324	126
) 	185	5,426,360	12/19/95	Fiorina et al.	307	66
)	186	5,477,091	01/16/96	Sutterlin	307	3
ρ	187	5,485,040	07/02/96	DeAndrea et al.	375	286
γ	188	5,533,054		Albrecht et al.	370	296
ρ	189	5,598,406	01/28/97	Schurig	370	293
γ	190	5,818,821	10/06/98		340	310.01
	191	5,870,016	02/09/99	Shresthe	340	310.01
M	192	5,994,998	11/30/99	Fisher et al.	340	310.01
<u>W</u>	193	3 5,994,999	11/30/99	Ebersohl	l	310.03
DV	194		03/14/00	Behrens et al.	340	
DP	19:		10//31/00	Fisher et al.	340	310.01

EXAMINER Janue Meul DATE CONSIDERED 4-01-04



List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce Patent and Trademark Office

	Sheet 3 of
ket No.	Serial No.
Kei No.	201004 520

Docket No. CRNT-0011 Serial 140. 09/924,730

Applicant
Paul A. Kline

Filing Date Group
August 8, 2001 2636

	U.	S. PATENT D	OCUMENTS		Subclass
		Date	Name	Class	Subclass
	No	10/31/00	Flint et al.	703	018
			Knapp et al.	340	310.01
197	6,229,434 B1			340	870.02
198	6,239,722 B1	05/29/01	Conton et al.	l	
_	196 197	Document No. 196 6,141,634 197 6,229,434 B1	Document Date No. 196 197 6,229,434 B1 05/08/01	Document Date Name 196 6,141,634 10/31/00 Flint et al. 197 6,229,434 B1 05/08/01 Knapp et al.	Document Date Name Class 196 6,141,634 10/31/00 Flint et al. 703 197 6,229,434 B1 05/08/01 Knapp et al. 340 Colton et al. 340

RECEIVED

MAR 1 7 2004

Technology Center 2600

EXAMINER Daniel Fein

DATE CONSIDERED

-01-04



Docket No. CRNT-0011 Serial No. 09/924,730

Sheet 4 of 8

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

Applicant
Paul A. Kline

U.S. Department of Commerce Patent and Trademark Office Filing Date
August 8, 2001

Group 2636

		nd Trademark Offi		OCUMENTS	
	FOREIGN PATENT Document No. Date			Country	Translation YES NO
xaminer nitial	1 1		06/07/01	DE	X abstract
11)	199	100 08 602 A1		EP	X
)V	200	0 141 673 A2	05/15/85		
<u>//</u>	201	0 470 185 B1	11/29/95	EP	
)}/	202	0 581 351 A1	02/02/94	EP	X abstract
) <u>//</u>	203	0 822 721 A2	02/04/98	EP	X abstract
<u>)}/</u>	204	0 933 883 A2	08/04/99	EP	
M	204	1 043 866 A2	10/11/00	EP	X abstract
DY)		1 075 091 A1	02/07/01	EP	X abstract
n/	206	2 122 920 A1	12/16/98	ES	X abstract
ργ	207		07/15/76	FR	X abstract
DP	208	2 326 087	07/18/79	GB	X
ĎÝ ·	209	1 548 652	01/19/83	GB	X
TOY	210	2 101 857 A	07/28/98	NZ	RECEIVE
DV DV	211	276741	\	WO	X MAR 1 7 2004
[37]	212	84/01481	04/12/84	wo	
DV	213	90/13950	11/15/90		X Technology Center
DN	214	92/16920	10/01/92	WO	
17/	215	93/07693	04/15/93	WO	X abstract
DV	216		11/18/99	WO	X abstract
<u> </u>	21	11.510.6	03/23/00	WO	X abstract
<u> </u>	21	110000	10/12/00	wo	
Ŵ			02/01/01	WO	X abstract
139) _	21		07/12/01	WO	X abstract

EXAMINER James Rule DATE CONSIDER

DATE CONSIDERED 4-01-04



Form PTO-1449 Modified 40EM

Docket No. CRNT-0011 Sheet 5 of 8
Serial No.
09/924,730

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

Applicant
Paul A. Kline

U.S. Department of Commerce Patent and Trademark Office Filing Date
August 8, 2001

Group 2636

		FORI	EIGN PATEN	T DOCUMENTS	Trans	ation
Examiner		Document No.	Date	Country	YES	NO
Initial	221	01/50628	07/12/01	WO	X abstract X abstract	
30	222	01/50629	07/12/01	WO	7x abstract	

RECEIVED

MAR 1 7 2004

Technology Center 2600



Ψ		
Form PTO-1449 Modified	Docket No. CRNT-0011	Serial No. 09/924,730
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)	Applicant Paul A. Kline	
U.S. Department of Commerce Patent and Trademark Office	Filing Date August 8, 2001	Group 2636

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) 223 LONWORKS Engineering Bulletin, "Demand Side Management with LONWORKS® Power Line Transceivers," December 1996, 36 pages		Patent a	and Trademark Office
LONWORKS Engineering Entrons. LONWORKS Power Line Transceivers," December 1996, 36 pages 1204 HomePlug TM Powerline Alliance, HomePlug Initital Draft Medium Interface Specification, May 19, 2000, 109 pages 2215 HomePlug TM Powerline Alliance, HomePlug 0.5 Draft Medium Interface Specification, November 28, 2000, 133 pages 2226 HomePlug TM Powerline Alliance, HomePlug Initital Draft Medium Interface Specification, July 27, 2000, 109 pages 2237 HomePlug TM Powerline Alliance, HomePlug Initital Draft Medium Interface Specification, July 27, 2000, 109 pages 2248 Summary of an IEEE Guide for Power-Line Carrier Applications, A Report by the Power System Communications Committee, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-99, No. 6, Nov./Dec. 1980 229 De Wilde, W. R. et al., "Upwards to a Reliable Bi-Directional Communication Link on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 234 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	Examiner	OTHI	FR DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
LONWORKS® Power Line Haisch, HomePlug Initital Draft Medium Interface Specification, May 19, 2000, 109 pages 1224 HomePlugTMPowerline Alliance, HomePlug 0.5 Draft Medium Interface Specification, November 28, 2000, 133 pages Specification, November 28, 2000, 133 pages Specification, July 27, 2000, 109 pages 1226 HomePlugTMPowerline Alliance, HomePlug Initital Draft Medium Interface Specification, July 27, 2000, 109 pages Specification, July 27, 2000, 109 pages 1237 HomePlugTMPowerline Alliance, HomePlug 1.01 Specification, December 1, 2001, 139 pages 1238 Summary of an IEEE Guide for Power-Line Carrier Applications, A Report by the Power System Communications Committee, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-99, No. 6, Nov./Dec. 1980 1239 De Wilde, W. R. et al., "Upwards to a Reliable Bi-Directional Communication Link on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 1230 Tanaka, M., "Transmission Characteristics of a Power Line Used for Data Communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 1231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 1232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 1233 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 1234 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	Initial	01111	LONWORKS Engineering Bulletin, "Demand Side Management with
224 HomePlug™Powerline Alliance, HomePlug 0.5 Draft Medium Interface Specification, May 19, 2000, 109 pages 225 HomePlug™Powerline Alliance, HomePlug 0.5 Draft Medium Interface Specification, November 28, 2000, 133 pages 226 HomePlug™Powerline Alliance, HomePlug Initital Draft Medium Interface Specification, July 27, 2000, 109 pages 227 HomePlug™Powerline Alliance, HomePlug 1.01 Specification, December 1, 2001, 139 pages 228 Summary of an IEEE Guide for Power-Line Carrier Applications, A Report by the Power System Communications Committee, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-99, No. 6, Nov./Dec. 1980 229 De Wilde, W. R. et al., "Upwards to a Reliable Bi-Directional Communication Link on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 230 Tanaka, M., "Transmission Characteristics of a Power Line Used for Data Communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 233 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 234 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	. 0	223	LONWORKS Engineering Transceivers," December 1996, 30 pages
Specification, May 19, 2000, 109 Fages 225 HomePlug TM Powerline Alliance, HomePlug 0.5 Draft Medium Interface Specification, November 28, 2000, 133 pages HomePlug TM Powerline Alliance, HomePlug Initital Draft Medium Interface Specification, July 27, 2000, 109 pages 227 HomePlug TM Powerline Alliance, HomePlug 1.01 Specification, December 1, 2001, 139 pages 228 Summary of an IEEE Guide for Power-Line Carrier Applications, A Report by the Power System Communications Committee, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-99, No. 6, Nov./Dec. 1980 229 De Wilde, W. R. et al., "Upwards to a Reliable Bi-Directional Communication Link on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 (Communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 230 Tanaka, M., "Transmission Characteristics of a Power Line Used for Data Communications at High Frequencies," IEEE Transactions on Consumer Electronics, Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 233 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 234 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	<i>₩</i>		LONWORKS Fower Emergence HomePlug Initital Draft Medium Interrace
Specification, May 19, 2000, 109 Fages 225 HomePlug TM Powerline Alliance, HomePlug 0.5 Draft Medium Interface Specification, November 28, 2000, 133 pages HomePlug TM Powerline Alliance, HomePlug Initital Draft Medium Interface Specification, July 27, 2000, 109 pages 227 HomePlug TM Powerline Alliance, HomePlug 1.01 Specification, December 1, 2001, 139 pages 228 Summary of an IEEE Guide for Power-Line Carrier Applications, A Report by the Power System Communications Committee, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-99, No. 6, Nov./Dec. 1980 229 De Wilde, W. R. et al., "Upwards to a Reliable Bi-Directional Communication Link on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 (Communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 230 Tanaka, M., "Transmission Characteristics of a Power Line Used for Data Communications at High Frequencies," IEEE Transactions on Consumer Electronics, Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 233 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 234 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	<i>yr</i>	224	HomePlugTMPowerline Alliance, HomePl
HomePlug™Powerline Alliance, HomePlug Initial Draft Medium Interface Specification, November 28, 2000, 133 pages 226 HomePlug™Powerline Alliance, HomePlug Initial Draft Medium Interface Specification, July 27, 2000, 109 pages 227 HomePlug™Powerline Alliance, HomePlug 1.01 Specification, December 1, 2001, 139 pages 228 Summary of an IEEE Guide for Power-Line Carrier Applications, A Report by the Power System Communications Committee, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-99, No. 6, Nov./Dec. 1980 229 De Wilde, W. R. et al., "Upwards to a Reliable Bi-Directional Communication Link on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 Communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 230 Tanaka, M., "Transmission Characteristics of a Power Line Used for Data Communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics, August 1986, Vol. CE- 32, No. 3, pp. 542-549 233 Hant, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE- 32, No. 3, pp. 542-549	DO)		Specification, May 19, 2000, 109 pages
Specification, November 25, 2000, 105 Peg. 1226 HomePlug™Powerline Alliance, HomePlug Initital Draft Medium Interface Specification, July 27, 2000, 109 pages 227 HomePlug™Powerline Alliance, HomePlug 1.01 Specification, December 1, 2001, 139 pages 228 Summary of an IEEE Guide for Power-Line Carrier Applications, A Report by the Power System Communications Committee, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-99, No. 6, Nov./Dec. 1980 229 De Wilde, W. R. et al., "Upwards to a Reliable Bi-Directional Communication Link on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 Communications at High Frequencies," IEEE Transactions on Consumer Electronics, Communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 Home Bus," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE- 32, No. 3, pp. 542-549 234 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	. <i>\\\</i>	225	nt -TMD overline Alliance, notificing on 2
226 HomePlugTMPowerline Alliance, right and Specification, July 27, 2000, 109 pages 227 HomePlugTMPowerline Alliance, HomePlug 1.01 Specification, December 1, 2001, 139 pages 228 Summary of an IEEE Guide for Power-Line Carrier Applications, A Report by the Power System Communications Committee, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-99, No. 6, Nov./Dec. 1980 229 De Wilde, W. R. et al., "Upwards to a Reliable Bi-Directional Communication Link on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 Communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 232 Haster, M. o. 2, pp. 344-349 1234 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE- 32, No. 3, pp. 542-549 234 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	20	223	Specification, November 28, 2000, 133 pages
Specification, July 21, 2000, 103 pegs. 139 pages 228 Summary of an IEEE Guide for Power-Line Carrier Applications, A Report by the Power System Communications Committee, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-99, No. 6, Nov./Dec. 1980 229 De Wilde, W. R. et al., "Upwards to a Reliable Bi-Directional Communication Link on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Line Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Line Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Line Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Line Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Line Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Line Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Line Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Line Supplies for Utility Services: Field Tests in Belg))Y <u>·</u>		Type - Place TMP owerline Alliance, Home Plug Initial Draft Medium Internation
HomePlug™Powerline Alliance, HomeFlug To Tope 139 pages 228 Summary of an IEEE Guide for Power-Line Carrier Applications, A Report by the Power System Communications Committee, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-99, No. 6, Nov./Dec. 1980 229 De Wilde, W. R. et al., "Upwards to a Reliable Bi-Directional Communication Link on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 Communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 233 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 234 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	3.4	226	Homeriug 1 0 worth 27 2000 109 pages
139 pages 228 Summary of an IEEE Guide for Power-Line Carrier Applications, A Report by the Power System Communications Committee, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-99, No. 6, Nov./Dec. 1980 229 De Wilde, W. R. et al., "Upwards to a Reliable Bi-Directional Communication Link on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 230 Tanaka, M., "Transmission Characteristics of a Power Line Used for Data Communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 233 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 234 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	W		Specification, July 27, 2000, 10 Property 1,01 Specification, December 1, 2001,
139 pages 228 Summary of an IEEE Guide for Power-Line Carrier Applications, A Report by the Power System Communications Committee, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-99, No. 6, Nov./Dec. 1980 229 De Wilde, W. R. et al., "Upwards to a Reliable Bi-Directional Communication Link on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 230 Tanaka, M., "Transmission Characteristics of a Power Line Used for Data Communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 233 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 234 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	- <i></i>	227	HomePlug TM Powerline Alliance, HomePlug TM Powerline Alliance
Power System Communications Communication Link and Systems, Vol. PAS-99, No. 6, Nov./Dec. 1980 229 De Wilde, W. R. et al., "Upwards to a Reliable Bi-Directional Communication Link on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Line Used for Data 230 Tanaka, M., "Transmission Characteristics of a Power Line Used for Data Communications at High Frequencies," IEEE Transactions on Power Apparatus and Conductor Overhead Power Lines," IEEE Transactions, and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 233 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 1EEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	W	1	130 pages A Report by the
Power System Communications Communication Link and Systems, Vol. PAS-99, No. 6, Nov./Dec. 1980 229 De Wilde, W. R. et al., "Upwards to a Reliable Bi-Directional Communication Link on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Line Used for Data 230 Tanaka, M., "Transmission Characteristics of a Power Line Used for Data Communications at High Frequencies," IEEE Transactions on Power Apparatus and Conductor Overhead Power Lines," IEEE Transactions, and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 233 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 1EEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	<u> </u>	228	Summary of an IEEE Guide for Power-Line Carron representations on Power Apparatus
229 De Wilde, W. R. et al., "Upwards to a Reliable Bi-Directional Communication Link on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Line Used for Data 230 Tanaka, M., "Transmission Characteristics of a Power Line Used for Data Communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 February 1989, Vol. 35, No. 1, pp. 37-42 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Guide for Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 233 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 234 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.		1 220	Device System Communications Communications
De Wilde, W. R. et al., "Opwards to a Rohacoteristics in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Supplies for Utility Services: Field Tests in Belgium," pp. 168-172 on the LV Power Line Used for Data 230 Tanaka, M., "Transmission Characteristics of a Power Line Used for Data Communications at High Frequencies," IEEE Transactions on Consumer Electronics, and Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 February 1989, Vol. 35, No. 1, pp. 37-42 February 1989, Vol. 35, No. 1, pp. 37-42 February 1989, Vol. 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 Home Bus," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 1980 234 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 1980	→ √	1	Towel Systems Vol. PAS-99, No. 6, Nov./Dec. 1980
Tanaka, M., "Transmission Characteristics of a Power Line Used for Data Communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	T DY		and Systems, von 15 mards to a Reliable Bi-Directional Communication 21 mards to a Reliable Bi-Directional Communication 21 marginal 168-172
Tanaka, M., "Transmission Characteristics of a Power Line Used for Data Communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	J A	229	De Wilde, W. R. et al., Ophranies for Utility Services: Field Tests in Belgium, pp. 100-172
Tanaka, M., "Transmission Characteristics," IEEE Transactions on Consumer Electronics, Communications at High Frequencies," IEEE Transactions on Consumer Electronics, February 1989, Vol. 35, No. 1, pp. 37-42 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 home BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 234	1111		on the LV Power Supplies for Start and Line Used for Data
Communications at High Fiequencies, February 1989, Vol. 35, No. 1, pp. 37-42 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE- 32, No. 3, pp. 542-549 234 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	 y'	230	Tanaka, M., "Transmission Characteristics of Transactions on Consumer Electronics,
February 1989, Vol. 35, No. 1, pp. 37 231 Hasler, E. F. et al., "Communication Systems Using Bundle Conductor Overhead Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 home BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 234 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.			Communications at High Frequencies,
Hasler, E. F. et al., "Communication Systems Power Lines," IEEE Transactions on Power Apparatus and Systems, March/April 1975, Vol. PAS-94, No. 2, pp. 344-349 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 home Bus," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	1/m√ '	l l	February 1989, Vol. 35, No. 1, pp. 37-42
Power Lines," IEEE Transactions on Tourist 1975, Vol. PAS-94, No. 2, pp. 344-349 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.			1 Useler F. F. et al. "Communication Systems Using Bundle Conductor March/April
1975, Vol. PAS-94, No. 2, pp. 344-315 232 IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980, ©1980 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 by The Institute of Electrical and Electronics Engineers, Inc., pp. 1-80 Hatori, M. et al., "HOME INFORMATIZATION AND STANDARDIZATION OF HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	1	[23]	Haster, E. T. of day
by The Institute of Electrical and STANDARDIZATION OF Last the Las	۸۰		Power Lines, 1222 14 No. 2 nn 344-349
by The Institute of Electrical and STANDARDIZATION OF Last the Las	1701/		1975, Vol. PAS-94, No. 2, pp. 5-1980, ©1980
by The Institute of Electrical and STANDARDIZATION OF Last the Las	1	23:	2 IEEE Guide for Power-Line Carrier Apparatus Engineers, Inc., pp. 1-80
Hatori, M. et al., "HOME INFORMATIZATION of Legislation of Consumer Electronics, August 1986, Vol. CE-HOME BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 542-549 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home," Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	1.DV/	l	hy The Institute of Electrical and 220 AND CTANDARDIZATION OF
HOME BUS," IEEE Transactions of Control 32, No. 3, pp. 542-549 234 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	$+\frac{1}{22}$	Hatori, M. et al., "HOME INFORMATIZATION AND STATE August 1986, Vol. CE-
32, No. 3, pp. 542-549 32, No. 3, pp. 542-549 Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, Hunt, J. M. et al., "Electrical Energy Monitoring and Control System for the Home, The Home, IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp. 1234	1	23	TIOME BUS "TEEE Transactions on Comment
IEEE Transactions on Consumer 2200	1201		22 No 3 nn 542-549
IEEE Transactions on Consumer 2200	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		32, No. 3, pp. 512 "Flectrical Energy Monitoring and Control System for the Home,
IEEE Transactions on Consumer 2200	7	23	Hunt, J. IVI. et al., Electronics, August 1986, Vol. CE-32, No. 3, pp.
S78-583 RECEIVED	- 1	1	IEEE Transactions on Consumer 2333
RFCEIVED	1.0	1	578-583
	17Y	1	RECEIVED

MAR 1 7 2004

Technology Center 2600

EXAMINER Jame Ment

DATE CONSIDERED



List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce Patent and Trademark Office

Docket No.	
CRNT-0011	

Serial No. 09/924,730

Sheet 7 of 8

Applicant
Paul A. Kline

Filing Date
August 8, 2001

Group **2636**

	Patent a	
Examiner		R DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) R DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
Initial	OTHE	R DOCUMENTS (Including Author, Title, Date, Pertnett Pages, Bee) Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Applications," Gonzymer Electronics, August 1983, Vol. CE-29, No. 3, pp.
IIIIII	235	Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, F. W. et al., "Homenet: A Control Network for Consumer Tipperson Gutzwiller, "Homenet: A Control Network for Consumer Tippe
	1 1	TEEE Transactions of Consumor Electrical
tis)		207 204
<i>DV</i>	-	Burrascano, P. et al., "Digital Signal Transmission on Power Line Carrier States and Power Line Carrier States and Introduction," IEEE Transactions on Power Delivery, January 1987, Vol. PWRD-
<i>y</i> .	236	Burrascano, 1. of this
^	1 1	An introduction, 1222
1)Y/		2, No. 1, pp. 50-56 Burr, A. G. et al., "Effect of HF Broadcast Interference on PowerLine Burr, A. G. et al., "Effect of HF Broadcast Interference on PowerLine Control Control
//!/	237	Burr, A. G. et al., "Effect of HF Broadcast Interference of the Br
(M)	1	Talecommunications Above 1 Miles, Ling CSMA Access Conuon
_///	238	Onunga, J. et al., "Distribution Line Communications on Power Delivery, April
	250	Deignity Acknowledgements; 2222
\sim	1	1000 Vol 4 No. 2, pp. 676-666
<u> </u>		Tanaka, M., "High Frequency Noise Power Spectrum, Impedance and Translation," IEEE Loss of Power Line in Japan on Intrabuilding Power Line Communications," IEEE Loss of Power Line General Flectronics, May 1988, Vol. 34, No. 2, pp. 321-326
	239	Tanaka, W., Tigura I and Intrabuilding Power Line Communications of Power Line in Japan on Intrabuilding Power Line Communications of Power Line in Japan on Intrabuilding Power Line Communications of Power Line in Japan on Intrabuilding Power Line Communications of Power Line in Japan on Intrabuilding Power Line Communications of Pow
1	l l	Loss of Power Line in Japan on Intrabuilding Power Line Communications of Power Line in Japan on Intrabuilding Power Line Communications of Power Line Line Model for High-Frequency Power Line
1 カ√		Transactions on Consumo Line Model for High-Frequency Power Line
171	240	Transactions on Consumer Electronics, May 1988, Vol. 54, No. 5
1/10//		Communication Chainles, @2002 B. Abstion of Digital Signal Transmission
1//	241	Burrascano, P. et al., Performance 2, 21088 IEEE pp. 365-368
DV	\	Channels on Coronating Power Lines, © 1966 IEEE, pp. Channels on Coronating Power Lines, © 1966 IEEE, pp. DiClementi, D. A. et al., "Electrical Distribution System Power Line DiClementi, D. A. et al., "Electrical Distribution System Power Line DiClementi, D. A. et al., "Electrical Distribution System Power Lines", pp. 271-276
1/1	242	D'Clamonti I) A el al., Elconiour 2 2 2 2 2
ł.	242	DiClementi, D. A. et al., Electrical Diclementi, D. et al., Electrical Diclementi, Electrical Diclementi, D. et al., Electrical Dicleme
DV		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
61	243	Abraham, K. C. et al., "A Novel High-Speed PLC Communication on Power Delivery, October 1992, Vol. 7, No. 4, pp. 1760-1768 Transactions on Power Delivery, October 1992, Vol. 7, No. 4, pp. 1760-1768 Transactions on Power Delivery, October 1992, Vol. 7, No. 4, pp. 1760-1768
DY		Transactions on Power Delivery, October 1992, Vol. 7, No. 4, pp. 1700 From Transactions on Power Delivery, October 1992, Vol. 7, No. 4, pp. 1700 From Transactions on Power Delivery, October 1992, Vol. 7, No. 4, pp. 1700 From Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3,
<i>y</i> ·	244	Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, M. et al., "PROPOSED INTERFACE SPECIFICATIONS 1 Office 14 Yoshitoshi, "Proposed Proposed Interface 14 Yoshitoshi, "Proposed Interface 14 Yoshito
		BUS," IEEE Transactions on Constant
20		550-557
<i>JV</i>	24	pp. 550-557 5 O'Neal, Jr., J. B., "The Residential Power Circuit as a Communication Medium," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No. 3, pp.
		IEEE Transactions on Consumer Electromes, 1228
M		567-577
DV		
- 5		
P. 8-		
1		
,		
	1	

EXAMINER Danielben	DATE CONSIDERED $L_1 - 0/-0C_1$
EAAMINET DOODS TO	



Sheet 8 of 8

Form PTO-1449 Modified

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce Patent and Trademark Office

Docket No.
CRNT-0011

Serial No. 09/924,730

Applicant

Paul A. Kline

Filing Date
August 8, 2001

Group **2636**

Examiner Initial	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
DP	246	Written Opinion dated August 20, 2003, from PCT/US02/04310
DV	247	Written Opinion dated March 21, 2003, from PCT/US02/04300

RECEIVED

MAR 1 7 2004

Technology Center 2600

EXAMINER Daniellieuf

DATE CONSIDERED

4-01-04